

Borehole Log

BH9R

Page 1 of 4

Project Name: BLACKBURN MEADOWS WwTW, SLUDGE STRATEGY Project No: A1017-11

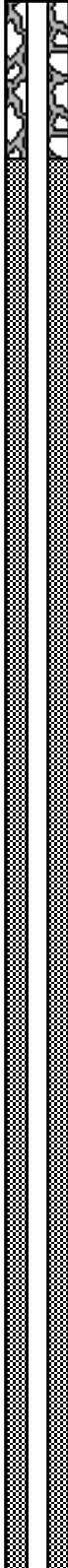

Borehole ID: BH9R

Location: Blackburn Meadows Sludge Co-ords (British National Grid): 440351.14 - 391918.07 Level: 31.29

Hole Type: CP+RC Logged By: Dates: 2011-03-28 - 2011-03-29

Client: Black & Veatch Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		0.0 0.1 - 0.5	G G G B					Firm dark grey sandy slightly gravelly CLAY Gravel is angular to subrounded fine to coarse of various lithologies including brick concrete and sandstone MADE GROUND	
		0.3	D						
		0.5 - 0.95 0.5 - 1.0	D B	N=9 (1,2/2,2,2,3)					0.5
		1.0 - 1.45 1.0 - 1.5	D B	N=10 (1,2/3,3,2,2)					1.0
		1.5 - 1.95 1.5 - 2.0	D B	N=9 (1,2/2,2,2,3)				Firm brown mottled grey sandy slightly gravelly CLAY Gravel is angular to subrounded fine to coarse of various lithologies including brick concrete and sandstone MADE GROUND	1.5
		2.0 2.0 - 2.45 2.0 - 2.5	D D B	N=11 (1,2/2,3,3,3)	2.00	29.29			2.0
		2.5 - 2.95 2.5 - 3.0	D B	N=10 (2,2/2,2,3,3)				Very stiff brown grey very sandy gravelly CLAY Gravel is angular to subrounded fine to coarse of various lithologies including brick concrete and sandstone MADE GROUND	2.5
		3.0 3.0 - 3.2 3.0 - 3.5	D D B	50 (13,3/50 for 51mm)	3.00	28.29			3.0
		3.5 - 3.6 3.5 - 4.0	D B	50 (25 for 50mm/50 for 57mm)				Dense light brown gravelly SAND Gravel is subangular to subrounded of siltstone and sandstone MADE GROUND	3.5
		4.0 4.0 - 4.45 4.0 - 4.5	D D B	N=31 (6,8/8,8,8,7)	4.00	27.29			4.0
		4.5 - 4.95 4.5 - 5.0	D B	N=21 (4,5/5,6,5,5)	4.50	26.79		Stiff brown gravelly sandy CLAY Gravel is subangular to subrounded fine to coarse of sandstone and siltstone MADE GROUND	4.5

IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc. Generated 05-08-2025 at 06:38. BGS Reference 20190405103001331209

Borehole Log

BH9R

Page 2 of 4

Project Name: BLACKBURN MEADOWS WwTW, SLUDGE STRATEGY Project No: A1017-11

Borehole ID: BH9R

Location: Blackburn Meadows Sludge Co-ords (British National Grid): 440351.14 - 391918.07 Level: 31.29

Hole Type: CP+RC Logged By: Dates: 2011-03-28 - 2011-03-29

Client: Black & Veatch Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		5.0	D	N=32 (6,7/7,7,9,9)	6.00	25.29		Stiff brown gravelly sandy CLAY Gravel is subangular to subrounded fine to coarse of sandstone and siltstone MADE GROUND	5.5
		6.0 6.0 - 6.45 6.0 - 6.5	D D B					Dense brown sandy clayey rounded to subrounded fine to coarse GRAVEL with high cobble content Cobbles are rounded to subrounded of sandstone and siltstone	6.0
		7.0	D						7.0
		7.5 - 7.95 7.5 - 8.0	D B	N=34 (7,8/9,8,8,9)	7.50	23.79		Dense brown and dark brown sandy very clayey subangular to rounded GRAVEL of sandstone and siltstone	7.5
		8.0	D						8.0
									8.5
		9.0 9.0 - 9.2 9.0 - 9.5	D D B	50 (8,12/50 for 57mm)	9.00	22.29		Very dense brown sandy very clayey rounded to subrounded fine to coarse GRAVEL with medium cobble content Cobbles are rounded of sandstone	9.0
									9.5

IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc. Generated 05-08-2025 at 06:38. BGS Reference 20190405103001331209

Borehole Log

BH9R

Page 3 of 4

Project Name: BLACKBURN MEADOWS WwTW, SLUDGE STRATEGY Project No: A1017-11

Borehole ID: BH9R

Location: Blackburn Meadows Sludge Co-ords (British National Grid): 440351.14 - 391918.07 Level: 31.29

Hole Type: CP+RC Logged By: Dates: 2011-03-28 - 2011-03-29

Client: Black & Veatch Limited Contractor: SOIL MECHANICS Project Engineer:

Plant Used: SPT Hammer Serial No:

Well	Water	Samples		Result	Depth (m)	Level (m)	Legend	Stratum Description	Depth m
		Depth (m)	Type						
		10.0	D	50 (10,15/20,30)	10.30 10.50	20.99 20.79		Very dense brown sandy very clayey rounded to subrounded fine to coarse GRAVEL with medium cobble content Cobbles are rounded of sandstone	10.5
		10.3	D						
		10.5 - 10.8	D						
		10.5 - 11.0	B						
		11.0	D	50 (25 for 48mm/50 for 57mm)	12.00	19.29		Very weak to weak thickly laminated light blueish grey MUDSTONE Recovered as clayey angular to subangular fine to medium gravel	11.0
		12.0	D						
		12.0 - 12.1	D						
		12.0 - 12.5	B						
		12.9	D	50 (25 for 50mm/50 for 70mm)	12.90 13.00	18.39 18.29		Very weak MUDSTONE Recovered as clayey angular to subangular fine to coarse gravel	12.5
		12.9 - 13.0	D						
		14.15 - 14.26	CS					Moderately weak to moderately strong very thinly laminated light bluish grey MUDSTONE Recovered as clayey angular gravel	13.0
		14.5 - 14.6	CS						
		14.5 - 14.62	CS					Extremely weak to very weak grey thinly laminated MUDSTONE Fractures are subhorizontal extremely to very closely spaced tight planar smooth with occasional soft grey clay and gravel infill	13.5

IMPORTANT: This is a basic log auto-generated from AGS data held by the National Geoscience Data Centre (NGDC) and does not necessarily include all of the information supplied in the original AGS file. If you wish to deposit AGS files to the NGDC please see www.bgs.ac.uk/services/ngdc. Generated 05-08-2025 at 06:38. BGS Reference 20190405103001331209

GENERAL REMARKS

Hammer ID: JB02. Rod type: NWY.